Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	02/22/2017 10:01 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/30/2017 11:23 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123975	-1	2.70	123804	2.72
Blue	F	SSC	125000	123372	-2	3.15	123659	2.94
Blue	E	FITC	21625	21185	-3	2.48	943	9.77
Blue	D	PE	26832	26655	-1	2.02	957	9.23
Blue	B	PerCP-Cy5-5	48027	47504	-2	3.45	1362	16.43
Blue	A	PE-Cy7	40971	40636	-1	4.92	630	33.64
Red	C	APC	49746	49220	-2	2.88	2832	9.41
Red	A	APC-Cy7	53615	52400	-3	2.94	1094	11.24
Violet	B	V450	14488	13886	-5	5.65	667	9.53
Violet	A	V500	55123	53941	-3	5.48	2399	7.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16727	14.67	597	-1	N/A	N/A	Pass
Blue	F	SSC	60912	1.54	530	-4	N/A	N/A	Pass
Blue	E	FITC	107	38.44	531	-5	0.0236	256	Pass
Blue	D	PE	210	27.04	527	-4	0.1802	223	Pass
Blue	B	PerCP-Cy5-5	217	42.49	622	-7	0.0107	68	Pass
Blue	A	PE-Cy7	70	109.10	672	-9	0.0132	10	Pass
Red	C	APC	334	27.10	586	-8	0.0208	57	Pass
Red	A	APC-Cy7	120	39.54	569	-11	0.0055	1456	Pass
Violet	B	V450	80	41.01	464	-7	0.0523	1971	Pass
Violet	A	V500	174	23.37	490	-6	0.0152	611	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.37	-31.21	0.86
Blue	20.35	16.27 - 24.41	1.24	0.99 - 1.49	0.00	0.00	1.32
Red	17.22	13.27 - 19.91	N/A	N/A	31.53	31.83	1.15

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9635

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments